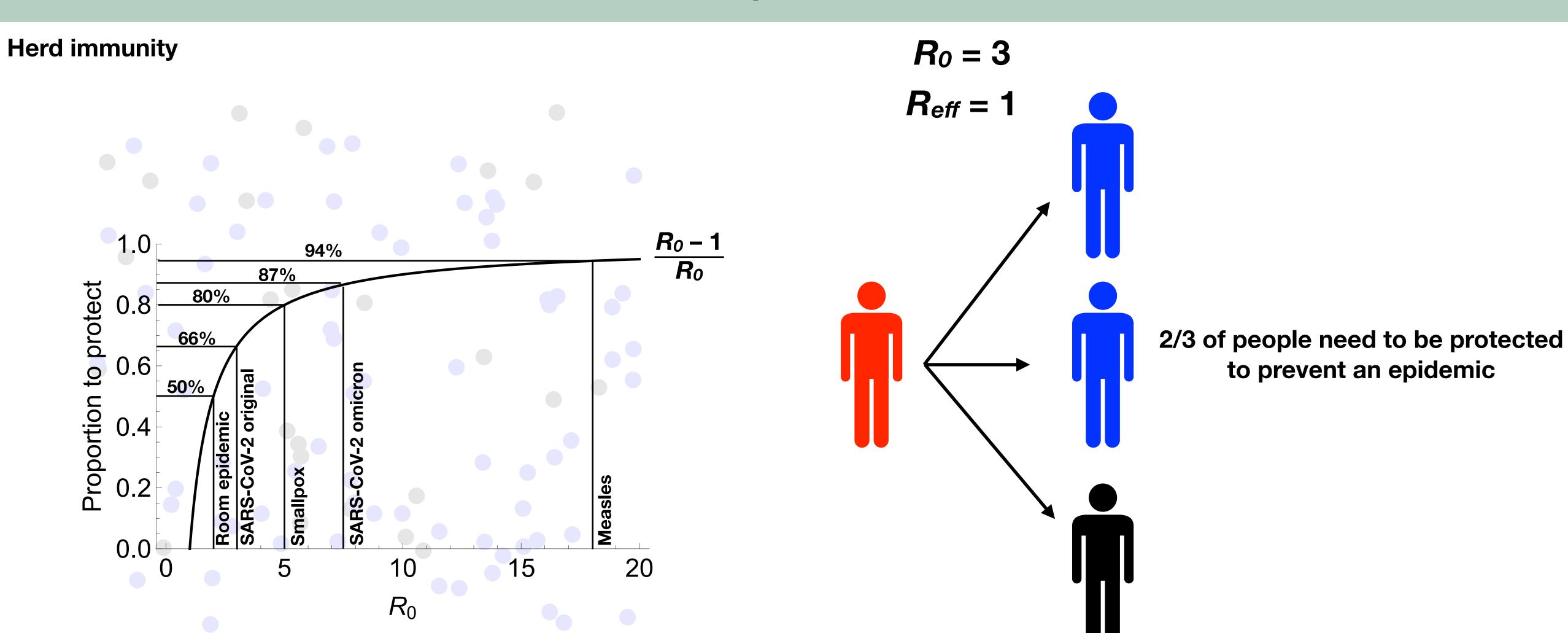
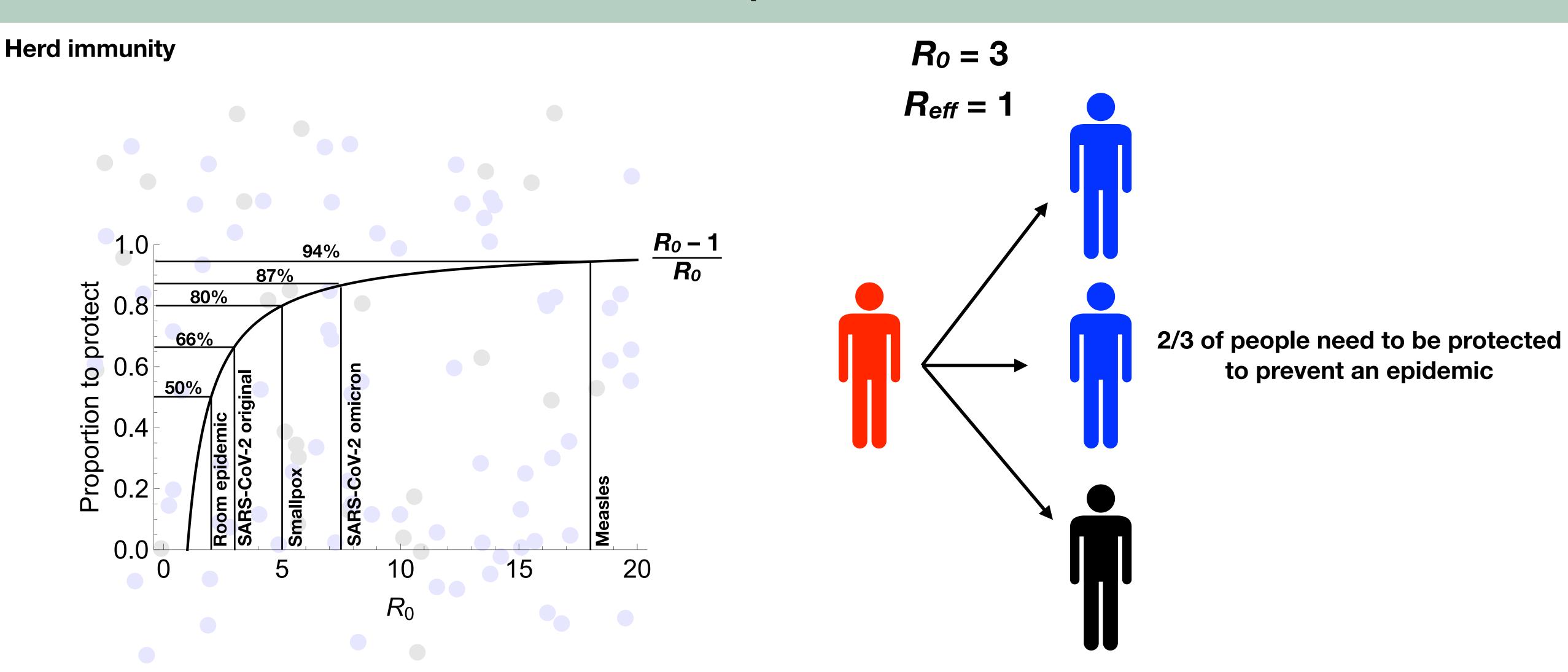
What can we infer about epidemics from the SIR model?



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Recall that $\mathbf{R}_0 = \beta/\gamma$. This gives us two possible ways of intervening:

- 1. Reduce β (through vaccination, distancing, masking, etc.)
- 2. Increase γ (speed up recovery, e.g. using treatments; or ensure isolation, which "shortens" the infectious period)